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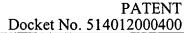
2 0 2003 MAR (to be used for all correspondence after initial filing) **Examiner Name** To Be Assignéd 8 AND 67 Total Number Of Pages In This Submission Attorney Docket No. 514012000400 **REFS** ENCLOSURES (check all that apply) **Assignment Papers** After Allowance Communication to Fee Transmittal Form (for an Application) Appeal Communication to Board of Fee Attached Drawing(s) Appeals and Interferences Appeal Communication to Group Amendment / Reply Licensing-related Papers (Appeal Notice, Brief, Reply Brief) After Final Petition Proprietary Information Petition to Convert to a Affidavits/declarations Status Letter Provisional Application Power of Attorney, Revocation Other Enclosure(s) (please identify Change of Correspondence Address below): Extension of Time Request Form PTO-1449 - 4 pages Terminal Disclaimer 67 References Return Receipt Postcard **Express Abandonment Request** Request for Refund Information Disclosure Statement - 3 CD, Number of CD(s) pages Certified Copy of Priority Document(s) Remarks Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY OR AGENT Firm Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, California 94304 Gladys H. Monroy (32,430) Individual Name Signature Merch 11, 2003 Date

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Nahum SONENBERG et al.

Serial No.: 09/973,473

Filing Date: October 9, 2001

For: NON-HUMAN TRANSGENIC ANIMAL

WHOSE GERM CELLS AND SOMATIC CELLS CONTAIN A KNOCKOUT MUTATION IN DNA ENCODING 4E-

BP1

Examiner: To be assigned

Group Art Unit: 1614

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 AND § 1.98

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO-1449. Copies of the documents are also submitted herewith. The Examiner is requested to make these documents of record.

	This In	formation Disclosure Statement is submitted:					
	With	With the application; accordingly, no fee or separate requirements are required.					
\boxtimes	Withi	Within three months of the application filing date or before mailing of a first Office					
	Actio	n on the merits; accordingly, no fee or separate requirements are required.					
i	After	receipt of a first Office Action on the merits but before mailing of a final Office					
	Actio	n or Notice of Allowance.					
		A fee is required. A check in the amount of is enclosed.					
		A fee is required. Accordingly, a Fee Transmittal form (PTO/SB/17) is attached					
		to this submission in duplicate.					
		A Certification under 37 C.F.R. § 1.97(e) is provided below; accordingly; no fee					
		is believed to be due.					
	After	mailing of a final Office Action or Notice of Allowance, but before payment of the					
issue fee.							
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		A Certification under 37 C.F.R. § 1.97(e) is provided below and a Fee Transmittal					
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Applicants would appreciate the Examiner initialing and returning the Form PTO-1449, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the Patent Office determines that an extension and/or other relief is required, Applicants petition for any required relief including extensions of time and authorize the Assistant Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 514012000400. However, the Assistant Commissioner is not authorized to charge the cost of the issue fee to the Deposit Account.

Dated: March 11, 2003

Respectfully submitted,

Registration No. 32,430

Morrison & Foerster LLP 755 Page Mill Road

Palo Alto, California 94304-1018

Telephone: (650) 813-5711 Facsimile: (650) 494-0792

Form PTO-1449

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(Use several sheets if necessary)

Docket Number 514012000400

Application Number 09/973,473

Applicant

Nahum SONENBERG et al.

Filing Date October 9, 2001

Group Art Unit 1614

Mailing Date March 11, 2003

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U.S. PATENT DOCUMENTS

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Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
	1.	07/28/1987	4,683,195	Mullis et al.			<i>₹</i> } _∧
<u>-</u>	2.	07/28/1987	4,683,202	Mullis		2	4 (C)
	3.	01/24/1989	4,800,159	Mullis et al.		160	Ap ()
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	13.	07/21/1994	WO 94/15646	WIPO				
	14.	04/18/1996	WO 96/11266	WIPO				
	15.	10/24/1996	WO 96/32966	WIPO				
	16.	12/19/1996	WO 96/41169	WIPO				

OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

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Sheet 2 of 4

Form PTO-1449		Docket Number 514012000 NTER 16	Application Number 09/973,473	
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